



XM156 Class I Block 0 Unmanned Aerial System (UAS)



The Class I Block 0 Unmanned Aerial System (UAS) provides the dismounted Soldier with an organic Reconnaissance, Surveillance and Target Acquisition (RSTA) asset at the platoon and squad level. The aerial vehicle operates in complex urban and wooded terrains with a vertical take-off and landing capability. The Class I Block 0 also features a gasoline engine and an Electro-Optical / Infrared / Laser Designator / Laser Range Finder payload.



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The XM156 Class I Unmanned Aerial Vehicle (UAV) is a platoon level asset that provides the dismounted soldier with Reconnaissance, Surveillance, and Target Acquisition (RSTA) and laser designation. Total system weight, which includes the air vehicle, a control device, and ground support equipment is less than 51 pounds and is backpackable in two custom MOLLE-type carriers.

The air vehicle operates in open, rolling, complex and urban terrains with a vertical take-off and landing capability. It is interoperable with select ground and air platforms and controlled by mounted or dismounted soldiers. The Class I uses autonomous flight and navigation, but it will interact with the network and Soldier to dynamically update routes and target information. It provides dedicated reconnaissance support and early warning to the lowest echelons of the Brigade Combat Team (BCT) in environments not suited to larger assets.

The Class I system provides a hover and stare capability that is not currently available in the Army UAV inventory for urban and route surveillance. The Class I system also fills known gaps that exist in force operations, such as:

- Protect Force in Counterinsurgency (COIN) Operations;
- Soldier Protection in COIN environment;
- Ability to Conduct Joint Urban Operations;
- Enhanced ISR/RSTA Capabilities; and
- Hover and stare operations.

Planned Fielding Schedule:

The Class I Block 0 is part of the Early Infantry Brigade Combat Team (E-IBCT) modernization effort and will be fielded to all the Army's 73 active and reserve components.

